SEP 10 2008

PTOL-413A (10-07)
Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 10/964,737 (644 Fad) First Named Applicant: Roger Tsai
Examiner: Cardenas Navia, Jaime F. Art Unit: 3623 Status of Application: Under Non-final rejection

Tentative Participants:
(1) Mary E. Goulet (Reg. No. 35,884) (2) _____
(3) _____ (4) _____

Proposed Date of Interview: Sept. 12, 2008 **Proposed Time:** ___ PM ___ (AM/PM)

Type of Interview Requested:
(1) [X] Telephonic (2) [ ] Personal (3) [ ] Video Conference

Exhibit To Be Shown or Demonstrated: [ ] YES [X] NO
If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc.)	Claims / Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) 112[2] Rej.	8,9		[ ]	[ ]	[ ]
(2) 101 Rej.	8,9		[ ]	[ ]	[ ]
(3)			[ ]	[ ]	[ ]
(4)			[ ]	[ ]	[ ]

[ ] Continuation Sheet Attached

Brief Description of Arguments to be Presented:
Please see attached draft.

An interview was conducted on the above-identified application on _____.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).
This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

/Mary E. Goulet/
Applicant / Applicant's Representative Signature

Mary E. Goulet
Typed/Printed Name of Applicant or Representative

35,884
Registration Number, if applicable

Examiner / SPE Signature

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of
Roger Tsai 694 TW.
Serial No. 10/~~964~~,737
Filed: October 29, 2003

Confirmation No. 4013
Group Art Unit 3623
Examiner: Cardenas Navia, Jaime F.

For: BEST INDICATOR ADAPTIVE FORECASTING METHOD

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

DRAFT

AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

This responds to the Office Action mailed August 1, 2008.

A listing of the claims begins on page 2 of this paper.

Remarks begin on page 5.

Listing of the Claims

1-7 (Canceled)

8. (Currently Amended) A computer implemented best indicator adaptive (BIA) method for demand forecasting comprising the computer-implemented steps of:

implementing a plurality of forecasting subsystems which make use of indicators Load (L), Ship (S) and Customer Acceptances (CA) history (CA_{hist});

generating a forecast (CA_L) from Load (L) by modeling the ratio of quarter-to-date load to quarter CA actual as a random variable with gamma distribution so that the CA becomes a variable with generalized gamma distribution and computing the sample mean and sigma of the quarter-to-date load to quarter CA actual ~~Load-to-CA~~ ratio for a final forecasted CA_L demand;

generating a forecast (CA_S) from Ship (S) by modeling the ratio of quarter-to-date ship to quarter CA actual as a random variable with gamma distribution so that the CA becomes a variable with generalized gamma distribution and computing the sample mean and sigma of the ~~Ship-to-CA~~ quarter-to-date ship to quarter CA actual ratio for a final forecasted CA_S demand;

generating a forecast (CA_{LS}) from Load and Ship (LS) by forecasting Customer Acceptances (CA) based on Load (L), Ship (S) and Customer Acceptances history (CA_{hist}) to generate CA_{LS} by estimating the functional relationship and the parameters relating the two ratios ~~Load-to-CA~~ quarter-to-date load to quarter CA actual and ~~Ship-to-CA~~ quarter-to-date ship to quarter CA actual;

generating a forecast from Customer Acceptances history (CA_{hist});

refining the forecasts based on distribution demand using Customer Requested Date (CRAD) by

generating a forecast from Load (L) and CRAD as $CA_{L,CRAD}$,

generating a forecast from Ship (S) and CRAD as $CA_{S,CRAD}$, and

generating a forecast from Load (L) and Ship (S) and CRAD as $CA_{LS,CRAD}$;

for each forecast CA_L, CA_S, CA_{LS}, $CA_{L,CRAD}$, $CA_{S,CRAD}$, $CA_{LS,CRAD}$, and CA_{hist}, determining a forecast error;

eliminating CA_{LS} and $CA_{LS,CRAD}$ if data is for a historical period shorter than a

predetermined period;

eliminating any other forecast due to expert knowledge;

for all remaining forecasts, selecting a forecast having a smallest error; and

outputting a selected forecast as an optimum forecast.

9. (Currently Amended) A computer implemented best indicator adaptive (BIA) method for demand forecasting comprising the computer-implemented steps of:

inputting Load (L), Ship (S) and Customer Acceptances (CA) quarterly history (CA_{hist}) data;

implementing a plurality of forecasting subsystems making use of four sources of information, Load (L), Ship (S), Customer Acceptances quarterly history (CA_{hist}), and Customer Request Date (CRAD);

forecasting Customer Acceptances (CA) based on Load (L) to generate CA_L by modeling a ratio of quarter-to-date load to quarter CA actual as a random variable with gamma distribution so that the CA becomes a variable with generalized gamma distribution whose mean and sigma can be easily computed from the sample mean and sigma of the ~~Load-to-CA~~ quarter-to-date load to quarter CA actual ratio;

forecasting Customer Acceptances (CA) based on Ship (S) to generate CA_S by modeling the ratio of quarter-to-date ship to quarter CA actual as a random variable with gamma distribution so that the CA becomes a variable with generalized gamma distribution whose mean and sigma can be easily computed from the sample mean and sigma of the ~~Ship-to-CA~~ quarter-to-date ship to quarter CA actual ratio;

forecasting Customer Acceptances (CA) based on Load (L), Ship (S) and Customer Acceptances history (CA_{hist}) to generate CA_{LS} by estimating the functional relationship and the parameters relating the two ratios ~~Load-to-CA~~ quarter-to-date load to quarter CA actual and ~~Ship-to-CA~~ quarter-to-date ship to quarter CA actual;

using a log mean to sigma ratio of CRAD distribution, adjusting the forecasts CA_L, CA_S and CA_{LS} to arrive at more accurate forecasts $CA_{L,CRAD}$, $CA_{S,CRAD}$, and $CA_{LS,CRAD}$;

for each forecast CA_L, CA_S, CA_{LS}, $CA_{L,CRAD}$, $CA_{S,CRAD}$, $CA_{LS,CRAD}$, and CA_{hist}, determining a forecast error;

eliminating CA_{LS} and $CA_{LS,CRAD}$ if data is for a historical period shorter than a predetermined period;

eliminating any other forecast due to expert knowledge;

for all remaining forecasts, selecting a forecast having a smallest error; and

outputting a selected forecast as an optimum forecast.

REMARKS

Claims 8-9 are pending in this application. Claims 8-9 are amended above.

In the office action, Claims 8 and 9 have been rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Above, the amendments proposed in the office action have been made. The rejection is believed to thereby be obviated.

In the office action, Claims 8 and 9 have been rejected under 35 U.S.C. 101. Reconsideration and withdrawal of this rejection are respectfully sought, in view of the claim amendments above.

In view of the foregoing, it is requested that the application be reconsidered, that claims 8-9 be allowed, and that the application be passed to issue.

Should the Examiner find the application to be other than in condition for allowance, the Examiner is requested to contact the undersigned at 703-787-9400 to discuss any other changes deemed necessary in a telephonic or personal interview.

If an extension of time is required for this response to be considered as being timely filed, a conditional petition is hereby made for such extension of time. Please charge any deficiencies in fees and credit any overpayment of fees to Deposit Account 50-0510 (IBM-Yorktown).

Respectfully submitted,

Mary E. Goulet
Registration No. 35,884

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